

Find the value that will make each ordered pair a solution to the given equations.

1.  $x + y = 6$

2.  $2x + 4y = 8$

3.  $3x - y = 8$

a.  $(2, \underline{\quad})$

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b.  $(0, \underline{\quad})$

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c.  $(\underline{\quad}, 0)$

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Graph the following inequalities on the coordinate plane (use a graph paper). Name one point that is a solution to the inequality and one point that is not a solution. Show algebraically and graphically that your points are correct.

4.  $y \leq 3x - 4$

6.  $y \geq -\frac{1}{2}x - 3$

5.  $x \geq -7$

7.  $y \geq 5$